



WASHINGTON



JOINT AQUATIC RESOURCE PERMITS (JARPA) APPLICATION FOR: HYDRAULIC PROJECT APPROVALS, SHORELINE MANAGEMENT PERMITS, WATER QUALITY CERTIFICATION & APPROVAL FOR EXCEEDANCE OF STANDARDS, & U.S. ARMY CORPS OF ENGINEERS SECTION 404 and 10 PERMITS

— INSTRUCTIONS —

This Joint Application can be used to apply for Hydraulic Project Approvals, Shoreline Management Permits, Approvals for Exceedance of Water Quality Standards, Water Quality Certifications and Army Corps of Engineers Permits. **You must submit readable copies of the completed application form together with detailed drawings, prepared in accordance with the drawing guidance in Appendix A to the appropriate agencies.** Remember, depending on the type of project you are proposing, other permits may be required that are not covered by this application.

Use the following checklist to determine which permits to apply for. If you have trouble deciding which permits you need, please contact the appropriate agency for questions. Agency telephone numbers are in appendix B.

Your project may require some, or all, of these permits. IF YOU CHECK ANY BOX UNDER A PERMIT TITLE, THEN YOU MUST APPLY FOR THAT PERMIT. Complete Section A & C for any of the permits listed below. Also complete Section D for Shoreline & Corps of Engineers permits. Detailed drawings are required for any of these permits (see Appendix A for drawing requirements).

- ♦ Hydraulic Project Approval issued by the Department of Fish and Wildlife under 75.20 RCW is required if your project includes construction or other work, that:
 - ☒ will use, divert, obstruct, or change the natural flow or bed of any fresh or salt water of the state. This includes all construction or other work waterward and over the Ordinary High Water Line, including dry channels, and may include projects landward of the Ordinary High Water Line (e.g., activities outside the Ordinary High Water Line that will directly impact fish life and habitat, falling trees into streams or lakes, etc.).
- ♦ Shoreline Substantial Development, Conditional Use, Variance Permit, or Exemption issued by Local Government (under the Shoreline Management Act, 90.58 RCW;) required for work or activity in the 100-year floodplain, or within 200 feet of the Ordinary High Water Mark of certain waters; and which includes any one of the following:
 - ☐ dumping; ☐ drilling; ☐ dredging; ☐ filling;
 - ☐ placement or alteration of structures (whether temporary or permanent);
 - ☐ any activity which substantially interferes with normal public use of the waters regardless of cost.
- ♦ Floodplain Management permits and/or Critical Areas Ordinances review by local government for:
 - ☐ work in frequently flooded areas, geologically unstable areas, wildlife habitats, aquifer recharge areas, and wetlands.
- ♦ A Section 101 Water Quality Certification issued by the Department of Ecology under 33 USC §§ 401 and 1344 is required when a Corps of Engineer's §404 is required. **However, the Corps will notify Ecology of the project through the Corps' public notice unless you are applying for a Corps Nationwide Permit. NOTE:** Certification of hydropower projects will require additional information — contact Ecology's Shorelands & Water Resources Program for additional permitting requirements.
 - ☐ Send a copy of this application and drawings to Ecology for a 401 Certification only when applying for a Corps of Engineers Nationwide Permit, or hydropower projects.

Allow Temporary Exceedance of Water Quality Standards by the Department of Ecology, under 90.48 RCW, if results in:

any exceedance of water quality criteria established by WAC 173-201A for in water work (e.g., changes in sediment disturbances and pH changes from concrete curing). **NOTE:** Application of aquatic herbicides and is covered by a separate application-contact Ecology's Regional Office to apply.

- ◆ A Section 404 Permit from the Corps of Engineer under 33 USC §§ 404 and 1344 is required if your project includes:
 - ☐ discharge or excavation of dredged or fill material waterward of the Ordinary High Water Mark, or the Mean Higher High Tide Line in tidal areas, in waters of the United States, **including wetlands**;
 - ☐ mechanized land clearing in waters of the United States, **including wetlands**.
- ◆ A Section 10 Permit from the Corps of Engineer is required for:
 - ☐ any work in or affecting navigable waters of the United States (e.g., floats, piers, docks, dredging, piles, buoys, overhead power lines, etc.).

USEFUL DEFINITIONS

The following definitions are presented to help applicants in completing the JARPA. They may not necessarily represent specific language from the laws implemented through JARPA.

Mean High Water and Mean Higher High Water Tidal Elevations at any specific location can be found in tidal benchmark data compiled by the United States Department of Commerce, Environmental Science Services Administration, Coast and Geodetic Survey, dated January 24, 1979. This information can be obtained from the Corps of Engineers at (206) 764-3495.

The determination of tidal elevation is obtained by averaging each day's highest tide at a particular location over a period of 19 years, measured from mean Lower Low water, which equals 0.0 tidal elevation.

Mean Lower Low is the 0.0 tidal elevation, determined by averaging each day's lowest tide at a particular location over a period of 19 years. It is the tidal datum for vertical tidal references in the salt water area.

Ordinary High Water Mark or Line means the mark on all lakes, streams and tidal waters, which will be found by examining the beds and banks and ascertaining where the presence and action of waters are so common and usual, and so long continued in all ordinary years, as to mark upon the soil or vegetation a character distinct from that of the abutting upland, provided that in any area where the ordinary high water mark cannot be found, the ordinary high water mark adjoining saltwater shall be the line of mean higher high tide and the ordinary high water mark adjoining fresh water shall be the line of mean high water.

Shorelands or shoreland areas means those lands extending landward for two hundred feet in all directions as measured on a horizontal plane from the ordinary high water mark; floodways and contiguous floodplain areas landward two hundred feet from such floodways; and all wetlands and river deltas associated with the streams, lakes, and tidal waters which are subject to the provisions of 90.58 RCW.

Shorelines means all water areas of the state, including reservoirs, and their associated wetlands, together with the lands underlying them, except stream segments upstream of the point where mean annual flow is less than 20 cubic feet per second, and lakes less than 20 acres in size.

Wetlands means areas that are inundated or saturated by surface water or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas. Wetlands do not include those artificial wetlands intentionally created from nonwetland sites, including, but not limited to, irrigation and drainage ditches, grass-lined swales, canals, detention facilities, wastewater treatment facilities, farm ponds, and landscape amenities. Wetlands may include those artificial wetlands intentionally created from nonwetland areas to mitigate the conversion of wetlands.

AGENCY USE ONLY

Date Received: _____

— JARPA APPLICATION FORM —

- for use in Washington State -



PLEASE TYPE OR PRINT IN BLUE OR BLACK INK

Based on the preceding checklist, I am sending copies of this application to the following: *(check all that apply)*

- Local Government: for shoreline ☐ Substantial Development ☐ Conditional Use ☐ Variance ☐ Exemption; or
☐ Floodplain Management ☐ Critical Areas Ordinance
Washington Department of Fish and Wildlife for HPA
Washington Department of Ecology Approval to Allow Temporary Exceedance of Water Quality Standards
401 Water Quality Certification Nationwide Permits
Corps Engineers for Section 404 or Section 10 permit(s)

SECTION A - Use for all permits covered by this application. Be sure to also complete Section C (Signature Block) for all permit applications.

1. Applicant King County Department of Natural Resources Attn: Larry Ellington

Mailing Address 506 Second Avenue, Suite 708

Seattle, WA 98104-2311

Work Phone: (206) 296-7816

Home Phone: ()

Fax Number: (206) 296-0516

If an agent is acting for the applicant during the permit process, complete #2 & 3.

2. Authorized Agent _____

Mailing Address _____

Work Phone: ()

Home Phone: ()

Fax Number: ()

3. Designation of Authorized Agent, if applicable:

I hereby designate _____ to act as my agent in matters related to this application for permit(s). I understand that if a Federal permit is issued, I must sign the permit.

Signature of Applicant _____

Date _____

4. Relationship of applicant to property: ☒ Owner ☐ Purchaser ☐ Lessee ☒ Other (County Sewer Utility)

5. Name, address, and phone number of property owner(s), if other than applicant:

Washington State Department of Natural Resources, P.O. Box 68, Enumclaw, WA 98022-0068

Attn: Mary Barrett (360) 902-1086

6. Location where proposed activity exists or will occur:

Waterbody Elliott Bay, Puget Sound

Near Seacrest Park Street Address <u>1660 Harbor Ave. SW</u> <u>Seattle, King, WA, 98126</u> City, County, State, Zip Code	DNR Stream Type (if known) _____ Tributary of _____ Legal Description: Adjacent to, north of, Block 448 Seattle Tide Lands Tax Parcel No.: <u>766670-6730</u> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">1/4</td> <td style="width: 10%; text-align: center;">1/4</td> <td style="width: 40%; text-align: center;">Section Township</td> <td style="width: 40%; text-align: center;">Range</td> </tr> <tr> <td style="text-align: center;">SW</td> <td></td> <td style="text-align: center;"><u>2</u> <u>24N</u></td> <td style="text-align: center;"><u>3E</u></td> </tr> </table>	1/4	1/4	Section Township	Range	SW		<u>2</u> <u>24N</u>	<u>3E</u>
1/4	1/4	Section Township	Range						
SW		<u>2</u> <u>24N</u>	<u>3E</u>						
Near Luna Park Street Address <u>1228 Harbor Ave. SW</u> <u>Seattle, King, WA, 98116</u> City, County, State, Zip Code	Legal Description: Adjacent to, east of, Block 456A, Seattle Tide Lands Extension #1 Tax Parcel No.: <u>766670 6950</u> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">1/4</td> <td style="width: 10%; text-align: center;">1/4</td> <td style="width: 40%; text-align: center;">Section Township</td> <td style="width: 40%; text-align: center;">Range</td> </tr> <tr> <td style="text-align: center;">SE</td> <td></td> <td style="text-align: center;"><u>2</u> <u>24N</u></td> <td style="text-align: center;"><u>3E</u></td> </tr> </table>	1/4	1/4	Section Township	Range	SE		<u>2</u> <u>24N</u>	<u>3E</u>
1/4	1/4	Section Township	Range						
SE		<u>2</u> <u>24N</u>	<u>3E</u>						

Department of Natural Resources, Sub- and Intertidal lands

7. Describe the current use of the property, and structures existing on the property. If any portion of the proposed activity is already completed on this property, indicate month and year of completion.

The Department of Natural Resources property is located within Elliott Bay. DNR property is used for navigation, public access, and recreation. It is not currently used for the commercial harvesting of shellfish.

No portions of the proposed activities have been completed.

Is the property agricultural land? ☐ Yes ☒ No Are you a USDA program participant? ☐ Yes ☒ No

8. Describe the proposed activity, and the activity's purpose. Include expected water quality and fish impacts, and proposed actions to reduce the duration and severity of those impacts and provide proper protection for fish life. Complete plans and specifications should be provided for all work waterward of the Ordinary High Water Mark or Line, including types of equipment to be used, and for all work if applying for a shoreline permit. If additional space is needed, please attach a separate sheet.

We plan to conduct this small habitat enhancement test project in the vicinity of Duwamish Head in West Seattle, at two sites. The bulk of the project will be NW of Duwamish Head on DNR property (Site #1), and a smaller portion at Site #3 which is seaward of Seattle Tidelands on property designated "Public Place" and "Waterway(s)," north of Seacrest Marina, extending outward from SW Atlantic Street. Please see attached maps for location. This area is important to juvenile and adult fish passage.

There will be 4 plots at Site #1 along the 35 foot depth line. Approximately five cyds of rocks will be put in place at each of the four plots. The size of the "mounds" will be approximately 10' x 10' with an average height of 1 ft, aiming to not exceed 18 inches. Rocks used will be 2-12" inches in size; two plots will be cobbles and the other two quarry spalls.

At site #3 we propose to place a 10' x 20' plot of pea gravel and a 10' by 20' plot of oyster shells (approx. 5 cyds and averaging .5' deep each) from the -2 to the -12 mllw depth. At the 35' depth we propose to place 5 cyds of rocks at each of two plots, approximately 10' x 10' each with 2-12" rocks with an average 1 foot thickness, aiming to not exceed 18 inches. One plot will have quarry spalls and the other cobbles.

An effort will be made to locate the plots along the designated depth and at designated GPS positions. This project will help to determine how exact this process can be, given wave action, currents and wind conditions and vessel limitations for implementation of future larger projects of a similar nature. Therefore the whole site patch should be considered the project area. We will work with City of Seattle to address any issues. Prior to construction, divers will set corners of the plots and make GPS readings to more precisely determine the location of the plots. The chief criteria for plot selection include relatively bare

substrate of the appropriate size along the appropriate depth and avoidance of eel grass beds. The GPS reading will be given to the project manager for USACE who will direct the contraction person to dump the materials as close as possible to those positions. Monitoring will evaluate this.

Monitoring

Using a remote video camera, the Project area will be monitored immediately before and after the emplacement of the substrate materials and at two other times, such as April, after winter storms and in August, after a growth season. This will be to determine: 1. actual vs. planned location and configuration of materials, 2) stability of materials, 3) effectiveness in providing habitat including attachment of vegetation and providing protective spaces for small aquatic animals.

Sedimentation will be determined by accumulation of sediments on ceramic tiles. Any unanticipated results will be recorded. If the video camera proves insufficient, a diver will be contracted to assess the effectiveness of the materials.

At this time we have insufficient funds for long term monitoring (beyond 1 year), but our aim is to identify future funding sources to enable this.

Preparation of drawings: See Appendix A - sample drawings and checklist for completing the drawings. **One set of original or good quality reproducible drawings must be attached.** NOTE: Applicants are encouraged to submit photographs of the project site, but these do not substitute for drawings. THE CORPS OF ENGINEERS REQUIRES DRAWINGS ON 8-1/2 X 11 INCH SHEETS. Larger drawings may be required by other agencies.

9. Proposed Starting Date: February/March 1998 Estimated duration of activity: One Week

Will the project be constructed in stages? Yes ☐ No ☐ In water will only occur during the WDFW fish windows of October 15 through April 1.

10. Will any structures be placed:

- a. waterward of the Ordinary High Water Mark or Line for fresh or tidal waters? ☒ Yes ☐ No
b. waterward of Mean High Water Line in tidal waters? ☒ Yes ☐ No

11. Will fill material (rock, fill, bulkhead, pilings or other material) be placed waterward of Ordinary High Water Mark or Line for fresh or tidal waters?

☒ Yes ☐ No

- a. If "yes," in fresh water indicate volume in cubic yards:
b. If "yes," in tidal waters, indicate volume in cubic yards waterward of the line of mean higher high water: 50 cubic yards.

12. Will material be placed in wetlands? ☐ Yes ☒ No If yes, impacted area: _____ (acres)

If yes:

- a. Has a delineation been completed? ☐ Yes ☐ No (If yes, please submit with application.)
b. Type and composition of fill material (e.g., sand, etc.): _____
c. Material source: _____
d. List all soil series (type of soil) located at the project site, & indicate if they are on the county's list of hydric soils: Soils information can be obtained from the Natural Resources Conservation Service (NRCS), formerly Soil Conservation Service (SCS). _____

13. Will proposed activity cause flooding or draining of wetlands? ☐ Yes ☒ No If yes, impacted area: _____ (acres)

14. Will excavation or dredging be required in water or wetlands? Yes ☐ No ☐ If yes, volume: _____ (cubic yards)

- a. Composition of material removed: _____
b. Disposal site for excavated material: _____
c. Method of dredging: _____

15. List other applications, approvals, or certifications from other Federal, state or local agencies for any structures, construction, discharges, or other activities described in the application (i.e., preliminary plat approval, health district approval, building permit, SEPA review, FERC license, Forest Practices Application, etc.) Also indicate whether work has

been completed and indicate all existing work on drawings.

Type of Approval	Issuing Agency	Identification No.	Date of Application	Date Approved	Completed? Yes or No
SEPA Checklist	King County	N/A			No
Shoreline Permit/Exemption	City of Seattle	N/A			No
SEPA Lead Agency:	King County		SEPA Decision Date:	Pending	

16. Has any agency denied approval for the activity described herein or for any activity directly related to the activity described herein? ☐ Yes ☒ No If yes, explain:

SECTION B - Use for Shoreline & Corps of Engineers permits only:

17. Total cost of Project. This means the fair market value of the project, including materials, labor, machine rentals, etc.

Under \$5,000

18. Local government w/ jurisdiction: City of Seattle

Shoreline Environment designation: Conservancy Management and Conservancy Preservation Zoning designation: Mid-rise Residential and Neighborhood Commercial

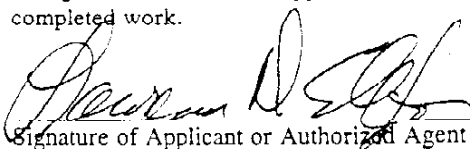
19. For corps permits, provide names, addresses, and telephone numbers of adjoining property owners, lessees, etc.,

WA Department of Natural Resource	Mary Barrett, P.O. Box 68, Enumclaw, WA 98022-0068	(425) 298-4594
Seattle Parks Department	Linda Hammons, 2911 2nd Avenue, Seattle, WA 98121	(206) 684-7139
Seattle Transportation	Ray Allwine, 701 4th Avenue, Seattle, WA 98104	(206) 684-5270

PLEASE NOTE: Shoreline management compliance may require additional notice — consult your local government.

SECTION C - Complete for any permit covered by this application

20. Application is hereby made for a permit or permits to authorize the activities described herein. I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief, such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities. I hereby grant to the agencies to which this application is made, the right to enter the above-described location to inspect the proposed or completed work.


Signature of Applicant or Authorized Agent (REQUIRED)

1-14-98
Date

Signature of Landowner (REQUIRED if other than applicant)

Date

This application must be signed by the applicant. If an authorized agent is to be designated, the applicant must also sign at Item #3.

18 U.S.C §1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly falsifies, conceals, or covers up by any trick, scheme, or device a material fact or makes any false, fictitious, or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious, or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than 5 years or both.

DO NOT SEND FEDERAL PROCESSING FEE WITH APPLICATION

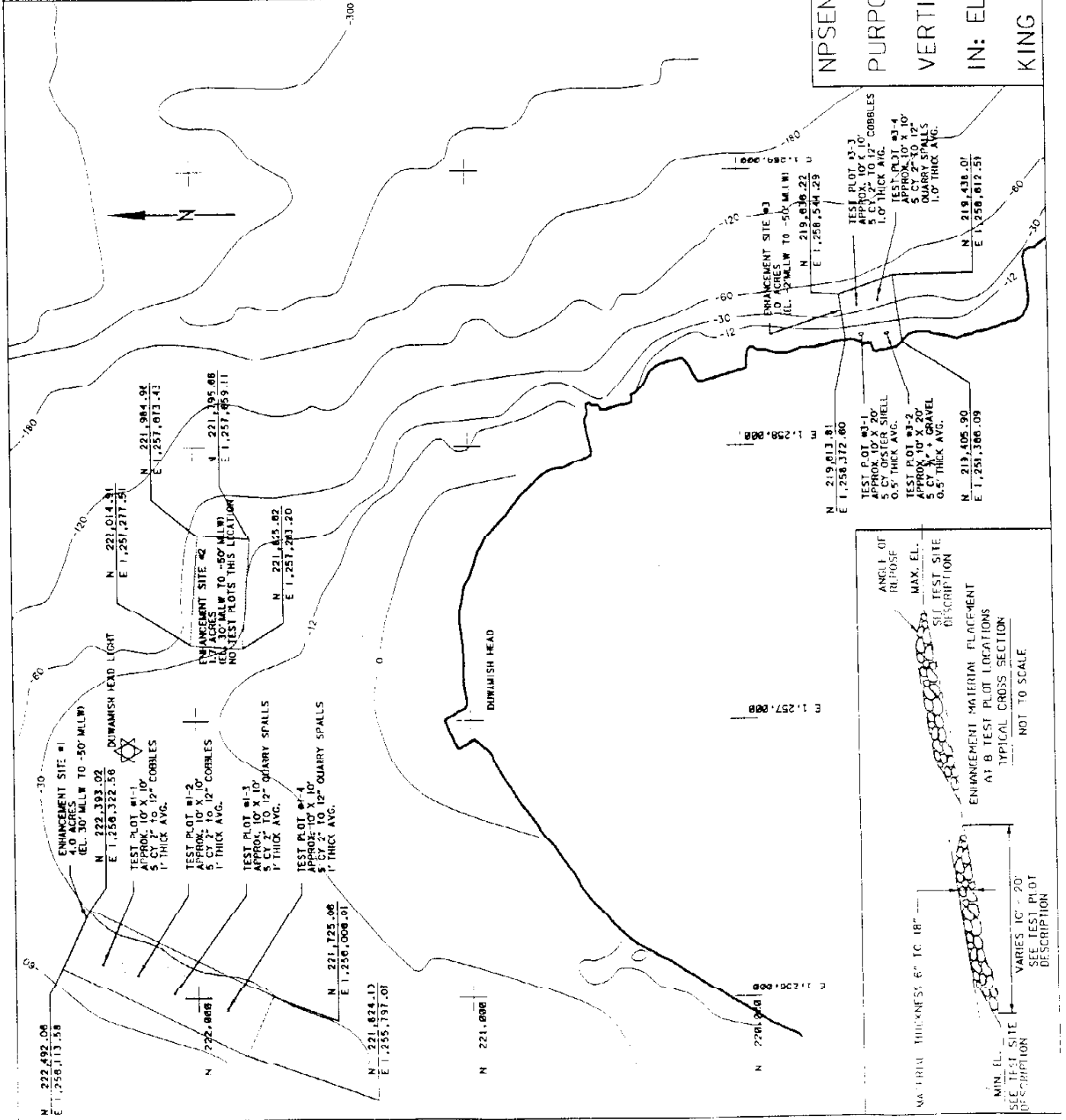
TO BE COMPLETED BY LOCAL OFFICIAL

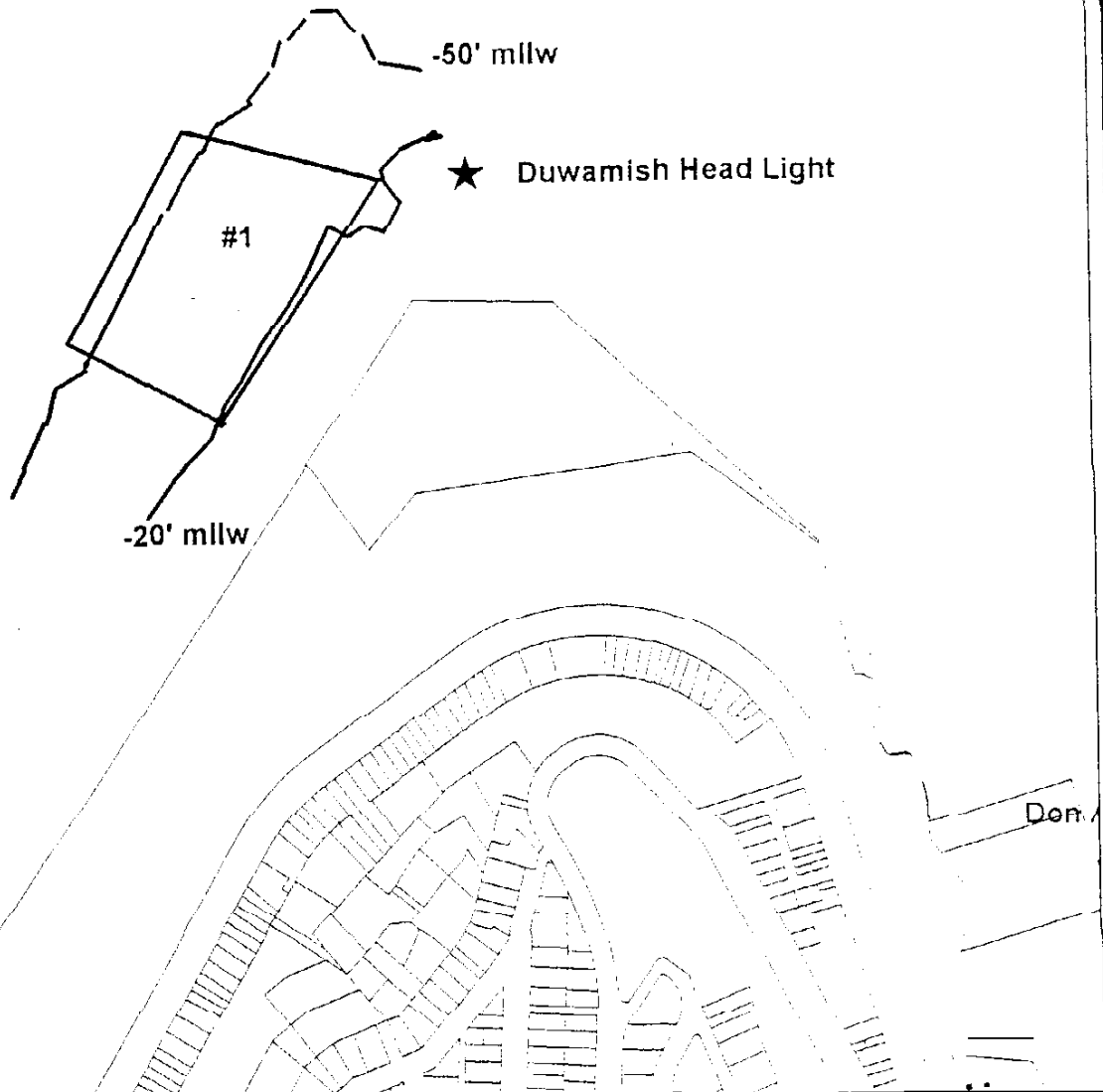
- A. Nature of the existing shoreline. (Describe type of shoreline, such as marine, stream, lake, lagoon, marsh, bog, swamp, flood plain, floodway, delta; type of beach, such as accretion, erosion, high bank, low bank, or dike; material such as sand, gravel, mud, clay, rock, riprap; and extent and type of bulkheading, if any:) _____

- B. In the event that any of the proposed buildings or structures will exceed a height of thirty five feet above the average grade level, indicate the approximate location of and number of residential units, existing and potential, that will have an obstructed view: _____

- C. If the application involves a conditional use or variance, set forth in full that portion of the master program which provides that the proposed use may be a conditional use, or, in the case of a variance, from which the variance is being sought: _____

*These Agencies are Equal Opportunity and Affirmative Action employers.
For special accommodation needs, please contact the appropriate agency from Appendix A.*






Duwamish Head Habitat

Site 1

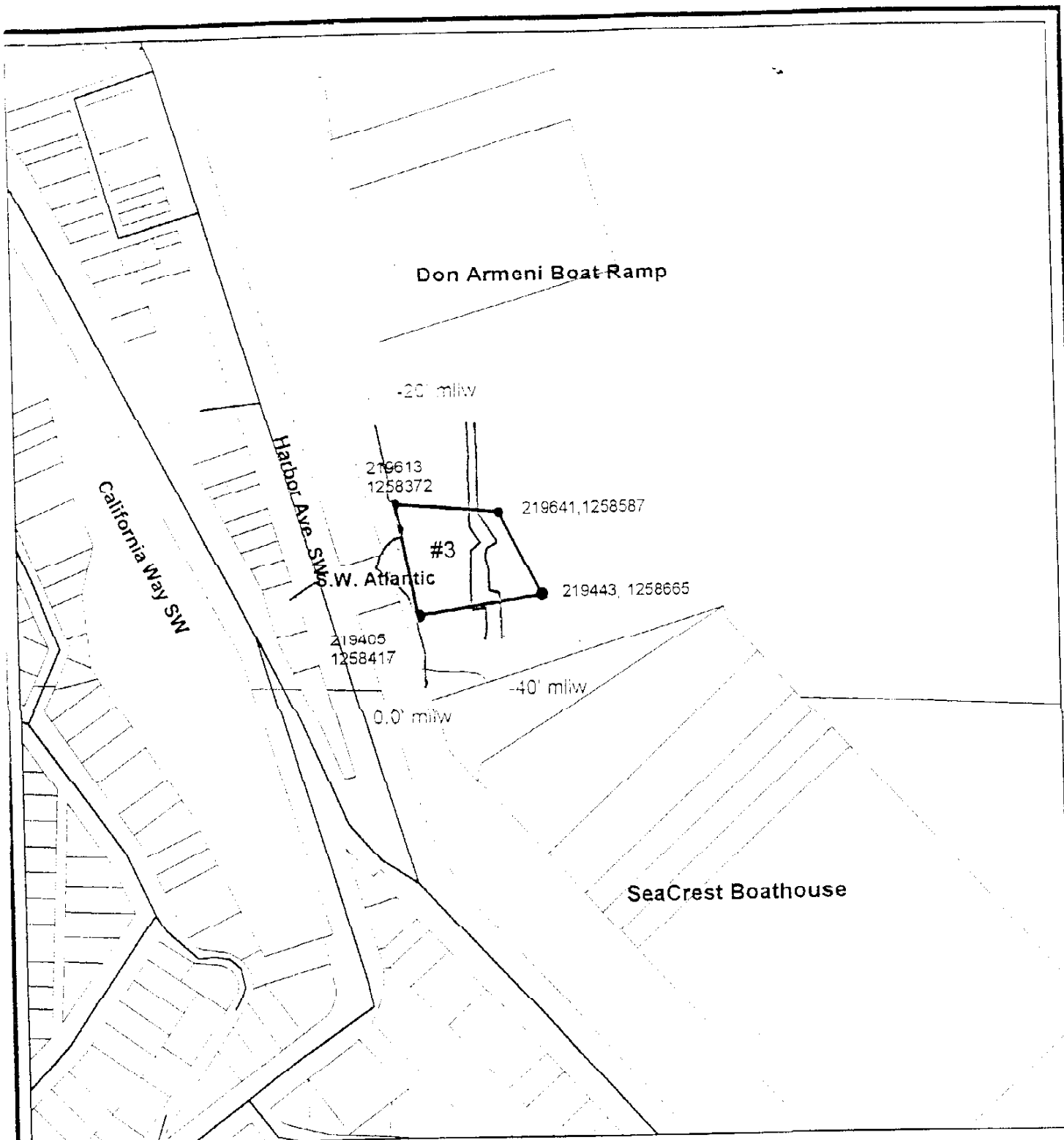
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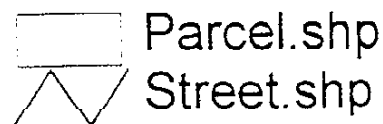
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January 8, 1998



Habitat Site #3

Legend



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40 0 40 80 120 160 200 Feet

January 8, 1998